

PCT

WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : C07K 16/40, C12N 1/21, 5/10, 9/42, 15/56, 15/63, C12P 21/02, C12S 3/02		A1	(11) International Publication Number: WO 97/44361
			(43) International Publication Date: 27 November 1997 (27.11.97)
(21) International Application Number: PCT/US97/08793		(81) Designated States: AU, CA, IL, JP, US, European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE).	
(22) International Filing Date: 22 May 1997 (22.05.97)			
(30) Priority Data: 08/651,572 22 May 1996 (22.05.96) US		Published * <i>With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i>	
(60) Parent Application or Grant (63) Related by Continuation US 08/651,572 (CIP) Filed on 22 May 1996 (22.05.96)			
(71) Applicant (for all designated States except US): RECOMBI-NANT BIOCATALYSIS, INC. [US/US]; 505 West Coast Boulevard, La Jolla, CA 92037 (US).			
(72) Inventors; and			
(75) Inventors/Applicants (for US only): LAM, David, E. [US/US]; 1518 West 249th Street, Harbor City, CA 90710 (US). MATHUR, Eric, J. [US/US]; 2654 Galicia Way, Carlsbad, CA 92009 (US).			
(74) Agent: HAILE, Lisa, A.; Fish & Richardson P.C., Suite 1400, 4225 Executive Square, La Jolla, CA 92037 (US).			
(54) Title: ENDOGLUCANASES			
(57) Abstract <p>The invention provides a purified thermostable enzyme derived from the archaeal bacterium AEPH11a. The enzyme has a molecular weight of about 60.9 kilodaltons and has cellulase activity (SEQ ID NO:2). The enzyme can be produced from native or recombinant host cells and can be used to aid in the digestion of cellulose where desired. Also included are other endoglucanases having homology to SEQ ID NO:2.</p>			